

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A method of recognizing at least one object in a digitized representation of an image, comprising the steps of:
  - receiving the digitized representation of the image, the representation having a first resolution;
  - creating a reduced-resolution version of the image responsive to the digitized representation of the image, the reduced-resolution version of the image having a second resolution lower than the first resolution;
  - providing a plurality of sets of initial conditions, the initial conditions including at least a condition for character recognition-processing of the image;
  - for each of the sets of initial ~~individual~~ conditions, identifying a each confidence level of ~~the~~ character recognition by first character recognition-processing of the reduced resolution version of the image having the second resolution based on each of the sets of initial conditions;
  - selecting at least one set from the plurality of sets of initial conditions based on each confidence level identified in said identifying step; and
  - second character recognition processing of ~~recognizing~~ the objects represented in the digitized representation of the image having the first resolution based on the set of initial conditions selected in said selecting step.

2. (Cancelled)

3. (Currently Amended) The method according to Claim 1, wherein said selecting step selects one set from the plurality of sets of initial conditions based on a highest confidence level identified in said identifying step.

4. (Currently Amended) The method according to ~~Claim 2~~ Claim 1, wherein said selecting step selects at least one set from the plurality of sets of initial conditions based on a confidence level exceeding a threshold.

5. (Previously Presented) The method according to Claim 1, wherein said creating step creates the reduced resolution version of the image by calculating an average of a plurality of pixels of the digitized representation of the image having the first resolution.

6. (Previously Presented) The method according to Claim 1, additionally comprising the step of recognizing at least one additional object represented in the digitized representation of the image, responsive to the value of at least one initial condition identified responsive to a confidence level exceeding a threshold.

7. (Previously Presented) The method according to Claim 1, additionally comprising the steps of:

attempting to recognize at least one additional object represented in the digitized representation of the image, responsive to the value of at least one initial condition identified, the attempting step comprising the step of producing a confidence level of the attempt; and

responsive to the confidence level of the attempt below a threshold:  
repeating the identifying step; and  
recognizing the at least one object represented in the digitized  
representation of the image responsive to the value of each of the at least one initial  
condition identified during the repeating step.

8. (Currently Amended) A computer program product comprising a  
computer ~~useable~~ readable medium having computer ~~readable~~ executable program code  
embodied therein for recognizing at least one object in a digitized representation of an  
image, the computer program product comprising:

computer ~~readable~~ executable program code ~~devices~~ configured to cause a  
computer to receive the digitized representation of the image, the representation having a  
first resolution;

computer ~~readable~~ executable program code ~~devices~~ configured to cause a  
computer to create a reduced-resolution version of the image responsive to the digitized  
representation of the image, the reduced-resolution version of the image having a second  
resolution lower than the first resolution;

computer ~~readable~~ executable program code ~~devices~~ configured to cause a  
computer to provide a plurality of sets of initial conditions, the initial conditions including  
at least a condition for character recognition-processing of the image;

for each of the sets of initial conditions, computer ~~readable~~ executable  
program code ~~devices~~ configured to identify a each confidence level of character  
recognition by first character recognition-processing of the reduced resolution version of  
the image having the second resolution based on each of the sets of initial conditions;

computer ~~readable~~ executable program code ~~devices~~ configured to select at least one set from the plurality of sets of initial conditions based on each confidence level identified; and

computer ~~readable~~ executable program code ~~devices~~ configured to cause a computer to ~~recognize~~ perform second character recognition-processing of the objects represented in the digitized representation of the image having the first resolution based on the set of initial conditions selected.

9 (Cancelled)

10. (Currently Amended) The computer program product according to Claim 8, wherein the computer ~~readable~~ executable program code ~~devices~~ is configured to cause a computer to select one set from the plurality of sets of initial conditions based on a highest confidence level identified.

11. (Currently Amended) The computer program product according to Claim 8, wherein the computer ~~readable~~ executable program code ~~devices~~ is configured to cause a computer to select selects at least one set from the plurality of sets of initial conditions based on a confidence level exceeding a threshold.

12. (Currently Amended) The computer program product according to Claim 8, wherein the computer ~~readable~~ executable program code ~~devices~~ is configured to cause a computer to create a reduced resolution version of the image creates by calculating

an average of a plurality of pixels of the digitized representation of the image having the first resolution.

13. (Currently Amended) The computer program product according to Claim 8, additionally ~~comprises~~ comprising computer ~~readable~~ executable program code ~~devices~~ is configured to cause a computer to recognize at least one additional object represented in the digitized representation of the image, responsive to the value of at least one initial condition identified responsive to a confidence level exceeding a threshold.

14. (Currently Amended) The computer program product according to Claim 8, additionally ~~comprises~~ comprising:

computer ~~readable~~ executable program code ~~devices~~ configured to cause a computer to attempt to recognize at least one additional object represented in the digitized representation of the image, responsive to the value of at least one initial condition identified, ~~the computer readable program code devices configured to cause a computer to attempt comprising computer readable program code devices~~ and configured to cause a computer to produce a confidence level of the attempt; and

computer ~~readable~~ executable program code ~~devices~~ configured to cause a computer to, responsive to the confidence level of the attempt below a threshold:

repeat the identifying step; and

recognize the at least one object represented in the digitized

representation of the image responsive to the value of each of the at

least one initial condition identified during the repeat operation of

~~the computer readable program code devices configured to cause a computer to repeat.~~

15. (Currently Amended) A system for recognizing objects, the system comprising:

a downsampler having an input for receiving a representation of an image having a first resolution, the downsampler for producing and providing at an output thereof a reduced-resolution version of the image responsive to the representation of the image received at the downsampler input, the reduced resolution version of the image having a second resolution lower than the first resolution; and

a recognition engine having a first input coupled to the downsampler output for receiving the reduced-resolution version of the image and a second input for receiving the representation of the image, the recognition engine for recognizing at least one object in the digitized representation of the image by a method comprising the steps of:

providing a plurality of sets of initial conditions, the initial conditions including at least a condition for character recognition-processing of the image;

for each of the sets of initial conditions, identifying a each confidence level of character recognition by first character recognition-processing of the reduced resolution version of the image having the second resolution based on each of the sets of initial conditions;

selecting at least one set from the plurality of sets of initial conditions based on each confidence level identified in said identifying step; and

second character recognition processing of recognizing the objects  
represented in the digitized representation of the image having the first resolution based on the set of initial conditions selected in said selecting step.

16. to 20. (Cancelled)

21. (Currently Amended) The method according to Claim 1, wherein the set of initial condition includes at least one of a threshold grayscale value, a determination of skew correction, and a determination of type of object.

22. (Currently Amended) The computer program according to Claim 8, wherein the set of initial condition includes at least one of a threshold grayscale value, a determination of skew correction, and a determination of type of object.

23. (Currently Amended) The system according to Claim 15, wherein the set of initial condition includes at least one of a threshold grayscale value, a determination of skew correction, and a determination of type of object.